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Applicant : Joseph Dale Helmick
Appl. No. : 09/878,811
Filed : 06/10/2001
Title : Uncertain and complex system teaches neural networks

Grp./A.U. : 2122
Examiner : Mark Powell

Honorable Commissioner for Patents
Washington DC

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Technology Center 2100

SUPPLEMENTAL AMENDMENT II

Honorable Commissioner:

In good faith before the first office action, please accept the supplemental independent amendment for the above identified application as follows:

In the Claims

Please add claim 13 as follows:

(Amended) 13. An article of manufacture for a computer readable medium encoded with a computer program for *match-with-rotate*, *cusp root* and *zero vector* algorithms that count the digits in combinations of e , π , $(2)^{1/2}$ and $(3)^{1/2}$ (or other transcendental, irrational numbers or physical constants with infinite decimal expansions) starting with the first digit and not counting the place descriptor decimal point such that each of 16 special angles from $0\pi k$ to $2\pi k$ (where k is greater than or equal to 1) is counted in degrees of $\pi = 180$ and the sequence of special angles consists of those angles mod 360, which correspond to the 16 special angles between 0 and 2π so that the digits of e , π , $(2)^{1/2}$ and $(3)^{1/2}$ decimal expansions match at the same position and the position has a one-to-one correspondence to the same number of degrees defined by a special angle on the unit circle, the algorithms generate an integer sequence of matching digit pairs, a radian sequence of matching special angles, a special angle position sequence, and the special angle position sequence in terms of sector-area. --